

ABSTRACT

An inquiry device in the conventional non-contact IC card system has a problem that the electronic circuit size is large and complicated, requiring a very expensive high frequency part to increase the cost. In order to solve this problem, 5 a part of the signal processing function realized by an electronic circuit in an inquiry device is performed by a receiving antenna and a receiving high frequency amplifier, thereby significantly reducing the electronic circuit size. The inquiry device includes a carrier oscillator connected to a transmitting mixer, a receiver section, and a receiving high frequency amplifier for 10 amplifying the receiving high frequency received by the receiver section. The inquiry device in the non-contact IC card system is characterized in that a carrier generated by the carrier oscillator is interference-input to the receiving high frequency amplifier so as to modulate the receiving high frequency. As compared to the conventional method, the power distributor and the frequency converter 15 can be omitted.